

Magnetic Buzzer

Electrical and Acoustical Parameter

Rated Voltage (Vo-p) *	3.0
Operating Voltage (Vo-p)	2.0 –5.0
Coil Resistance (Ohm)	25 ± 4
Coil Impedance (Ohm)*	45
Rated Current (mA) **	max. 60.0
Sound Pressure Level (dBA/10cm) **	min. 87
Resonance Frequency (Hz)	2731

*Value applying rated voltage (1/2 duty square wave, resonance frequency)

Remark: **rated voltage applied, sine-wave, frequency 2731Hz, measuring current 60 uA

Mechanical, Environmental Parameter

Contact / Wire	Pin
Operating Temperature (°C)	-25 to +70
Storage Temperature (°C)	-40 to +80
Material Housing	PPO
Color Housing	Black
Component Weight (g)	0.8

Remark:

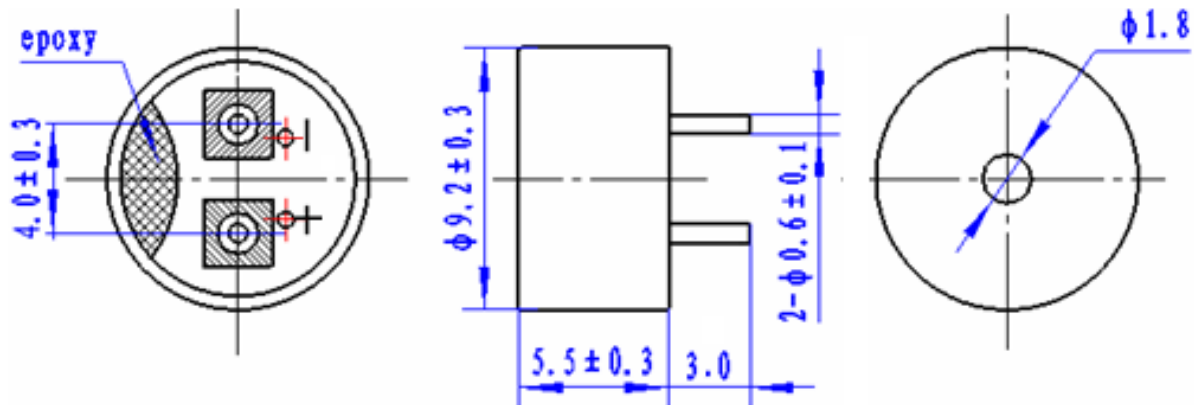
Approval

RoHs	<input checked="" type="checkbox"/>
UL	<input type="checkbox"/>

Designed by	MZ	14.03.2014	Dimensions without tolerance ±0.5mm	Index: 00	Current date
Released by	CB	14.03.2014	Drawing number	140310.1BDB	14.04.2014
Changed by					Page 1 of 4

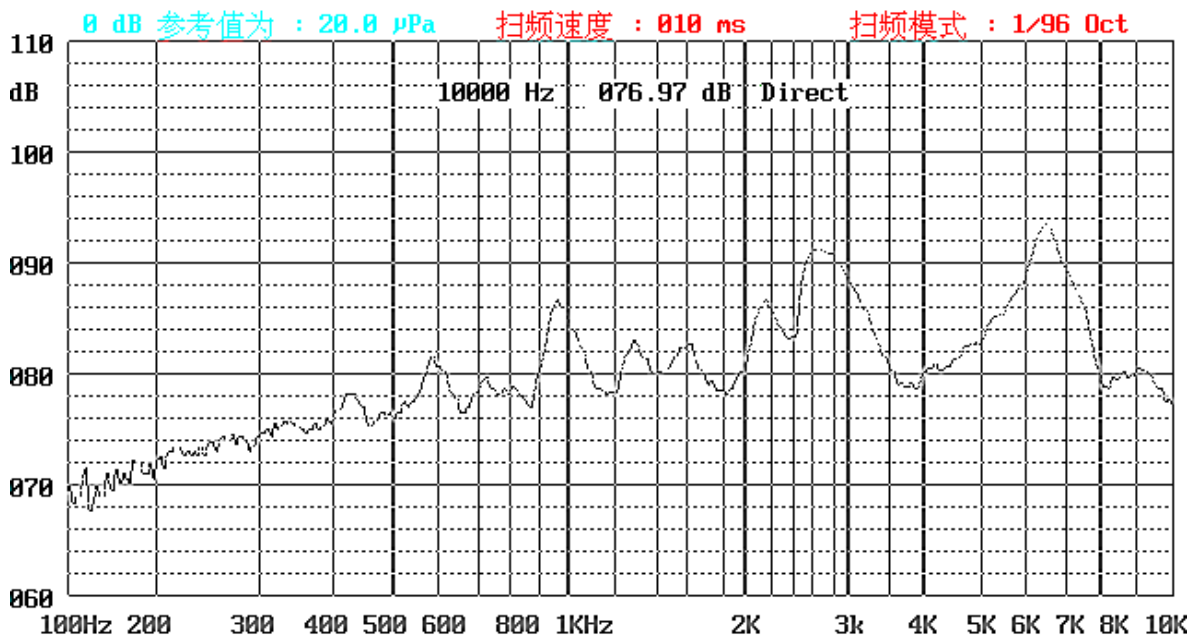
Drawing of Component

Unit:mm



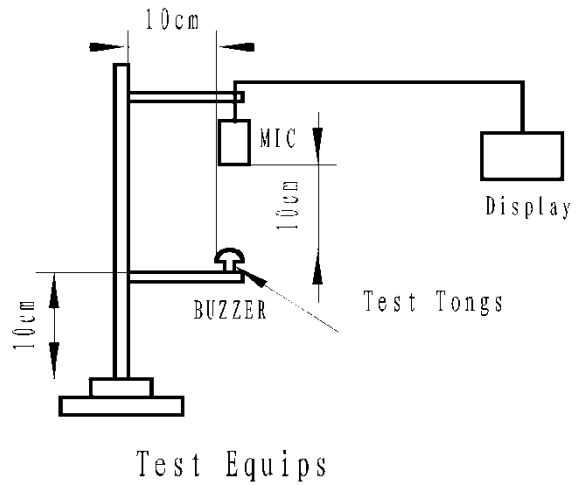
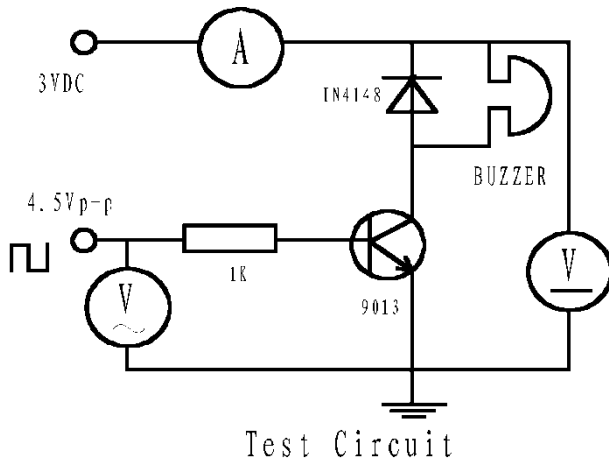
Additional polarity marking: „+“-sign will be stamped on top of the buzzer, near to “-“.

Frequency Response



Designed by	MZ	14.03.2014	Dimensions without tolerance ± 0.5 mm	Index: 00	Current date
Released by	CB	14.03.2014	Drawing number	140310.1BDB	14.04.2014
Changed by					Page 2 of 4

Testing Method

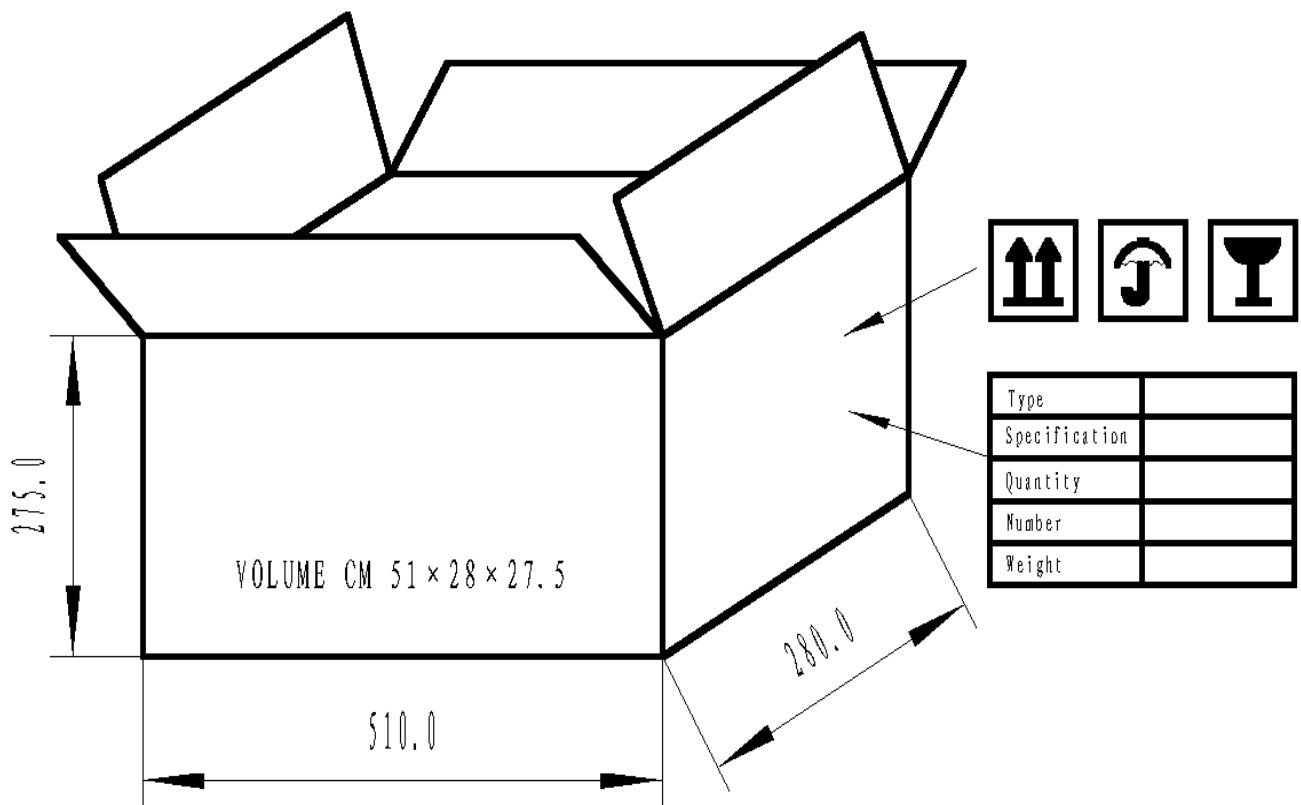


Reliability Test

NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	Humidity	50±5°C, 93(+2/-3)%RH, 96HRS	All specifications must be satisfied after the test.
2	High temp.	+80±2°C, 96HRS	
3	Low temp.	-30±2°C, 96HRS	
4	Temperature Cycling	-30±2°C, 30minutes room temp. 15 minutes +80±2°C, 30 minutes room temp. 15 minutes 5 cycles	
5	Drop test	3 times from height of 70cm onto the surface of 10mm thick wooden board.	
6	Vibration test	Make the test for the directions of X Y and Z (total 0.5 hours). To-and-fro. sweep time (from 10 to 55 Hz and then from 55 to 10Hz) under single amplitude of 1.0mm is 1 minute.	

7	Solder heat resistance	The part leads (pins) shall be immersed in molten solder maintained at 250±10°C for a period of 30 seconds.	After the test part shall meet specifications without any degradation in appearance and performance.
---	------------------------	---	--

Packaging Information



- NOTES:**
1. 100 PCS per box
 2. Total 30 boxes per carton
 3. Total 3000 PCS carton
 4. Volume: 51x28x27.5cm

Revision Table

Index Nr.	Date Reason - Procedure Change description	Drawing Date	implementation	Comments
			LS-Nr.: Date	

Designed by	MZ	14.03.2014	Dimensions without tolerance ±0.5mm	Index: 00	Current date
Released by	CB	14.03.2014	Drawing number	140310.1BDB	14.04.2014
Changed by					Page 4 of 4